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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/351,399	07/13/1999	AKIRA OGINO	450100-4982	9658

20999 7590 09/27/2002

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NEW YORK, NY 10151

EXAMINER

SOUGH, HYUNG SUB

ART UNIT	PAPER NUMBER
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3621

DATE MAILED: 09/27/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/351,399

Applicant(s)

OGINO ET AL.

Examiner

Hyung S. Sough

Art Unit

2161

-- **Th MAILING DATE of this communication appears on th cover she t with th correspond nce address --**
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 June 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-62 is/are pending in the application.
- 4a) Of the above claim(s) 6-12, 16-19, 25-31, 37-43, 47-50 and 56-62 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 13-15, 20-24, 32-36, 44-46 and 51-55 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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Claim Objections

1. Claims 1-5 and 32-36 are objected to because of the following informalities:
 - Claim 1, line 13, before “copyright”, either --the-- or --said-- should be inserted.
 - Claim 32, line 11, before “copy”, either --the-- or --said-- should be inserted.

Applicant is advised to carefully review all the claims for further needed corrections.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 4, 5, 23, 24, 35, 36, 54, and 55 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The specification, as originally filed, does not provide support for the invention as is now claimed, i.e., the system having “a watermark detecting means for detecting the copy control information from said main signal” and “additional-information detecting means for detecting said additional information...” (See claims 4, 5, 23, and 24). More specifically, the specification, as originally filed, does disclose “a watermark detecting means” and “additional-

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information detecting means” are the same element rather than two separate elements as is now claimed in the rejected claims. Likewise, the specification, as originally filed, does not provide support for the invention as is now claimed, i.e., the system having “detect copy control information from said main information signal” and “additional information fro controlling a copy operation has been added to said main information signal...” (See claims 35, 36, 54, and 55)

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-5, 13-15, 44-46 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- In lines 13 and 22 of claim 1, line 11 of claim 13, and line 6 of claim 44, “said unencrypted information” does not have proper antecedent basis, respectively.

Applicant is advised to carefully review all the claims for further needed corrections.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-5, 13-15, 20-24, 32-36, 44-46, and 51-55 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 10-65662 (JP '662 hereinafter) in view of Schneck et al. (Schneck hereinafter: US PAT. 6,314,409 B2) and Ryan et al. (Ryan hereinafter: US PAT. 6,374,036 B1).

Re claims 1, 13, and 20: JP '662 discloses an information signal playback system having all of the features claimed except for the explicit disclosure of (a) the output means for supplying the information on copyright protection encrypted by the encryption means and the unencrypted information on copyright protection and the main information signal on which copy control information is embodied to the information signal processing apparatus and (b) a watermark detecting means: see an attached figure. However, Schneck discloses the output means for supplying the information on copyright protection encrypted by the encryption means and the unencrypted information on copyright protection and the main information signal on which copy control information is embodied to the information signal processing apparatus and copy control information for a system to control access and distribution of digital property (e.g., Abstract; col. 7, lines 22-50; col. 10, lines 47-65; col. 13, lines 58-62; col. 23, lines 25-27). Further, Ryan discloses the use of watermark for controlling copy of a digital video signal. Thus, it would have been within the level of ordinary skill in the art to modify the system of JP '662 by adopting the teachings of Schneck and Ryan to enhance the functions of the claimed system by providing additional copy protection features.

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Re claims 32, 44, and 51: None of JP '662, Schneck and Ryan explicitly discloses the claimed methods. However, it would have been obvious to operate the system which would have been obvious as stated supra.

Re Claims 2, 14, 21, 33, 45, and 52: Both Schneck (e.g., col. 18, lines 11-17) and Ryan (e.g., col. 2, lines 30-35) disclose that the information on copyright protection is media-type information indicating the type of the recording medium. Thus, it would have been within the level of ordinary skill in the art to modify the apparatus and method of JP '662 by adopting the teachings of Schneck and Ryan to provide better control of reproduction of the information to the claimed apparatus and method.

Re claims 3, 15, 22, 34, 46, and 53: JP '662 does not explicitly disclose the use of CSS system. However, CSS system is one of old and well-known recording and reproducing system and nothing unobvious is seen to have been involved simply having employed this well known system for an information signal playback system of the sort here involved.

Re claims 4, 5, 23, 24, 35, 36, 54, and 55: 1, 13, and 20:None of JP '662, Schneck and Ryan explicitly disclose the use of additional information (additional digital watermark information). However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to any desirable number of digital watermark information, since it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art. *St. Regis Paper Co. v. Bemis Co.*, 193 USPQ 8.

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Response to Arguments

8. Applicant's arguments with respect to claims 1-5, 13-15, 20-24, 32-36, 44-46, and 51-55 have been considered but are moot in view of the new ground(s) of rejection.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hyung S. Sough whose telephone number is (703) 308-0505. The Examiner can normally be reached Monday-Friday from 8:30 AM - 4:00 PM EST.

If attempts to reach the Examiner by telephone are unsuccessful, The Examiner's Supervisor, James P. Trammell, can be reached on (703) 305-9768.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Receptionist whose telephone number is (703)308-1113.

Any response to this action should be mailed to:

***Commissioner of Patents and Trademarks
Washington D.C. 20231***

or faxed to:

(703)305-7687 [Official communications; including
After Final communications labeled
"Box AF"]

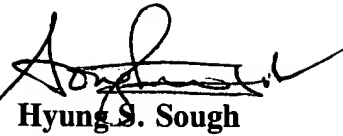
(703) 746-8177 [Informal/Draft communications, labeled
"PROPOSED" or "DRAFT"]

Hand delivered responses should be brought to Crystal Park 5, 2451 Crystal Drive,
Arlington, VA, 7th floor receptionist.

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A handwritten signature in black ink, appearing to read 'Hyung S. Sough', is written over a horizontal line.

Primary Examiner

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shs

September 24, 2002

